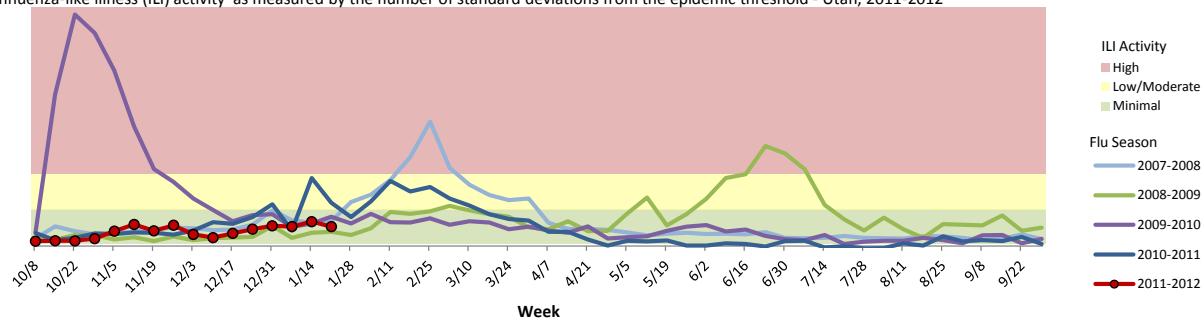


### Influenza-like Illness Activity

#### Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



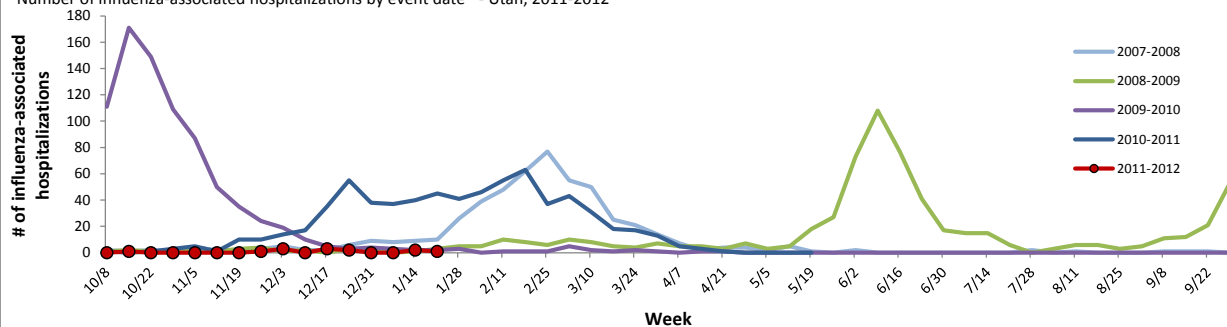
#### Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Low/Moderate
Summit	Minimal
Tooele	Minimal
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Minimal

### Severity Measures

#### Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date\* - Utah, 2011-2012



\*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

#### Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	6	46.2%	50.3%	0.7648
	Female	7	53.8%	49.7%	0.7648
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	9	69.2%	82.0%	0.2289
	Hispanic	2	15.4%	11.6%	0.6688
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.7660
	Black/African American	1	7.7%	0.9%	0.0112
	American Indian	0	0.0%	1.1%	0.6996
	Asian	1	7.7%	1.9%	0.1211
	Unknown	0	0.0%	NA	--

\*If a p value is  $\leq 0.05$ , there is a significant difference between the percentage seen in IAH and the general Utah population.

**Severity Measures, cont.**

**Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012**

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	2	15.4%	0.7	1
5-24 years	1	7.7%	0.1	0
25-49 years	3	23.1%	0.3	0
50-64 years	4	30.8%	1.0	0
65+ years	3	23.1%	1.2	0
Total	13	100%	0.5	1

**Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date**

Health District	Total Hospitalizations
Bear River	0
Central	0
Davis	1
Salt Lake	11
Southeastern	0
Southwest	0
Summit	0
Tooele	0
TriCounty	0
Utah	1
Wasatch	0
Weber-Morgan	0

**Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date**

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	4	30.8%	8	61.5%	1	7.7%
Ventilator	2	15.4%	10	76.9%	1	7.7%
Died	2	15.4%	10	76.9%	1	7.7%
Neurological Symptoms	2	15.4%	11	84.6%	0	0.0%
Healthcare Worker	1	7.7%	11	84.6%	1	7.7%
Pregnant	0	0.0%	13	100.0%	0	0.0%
Heart Disorder	4	30.8%	9	69.2%	0	0.0%
Blood Disorder	1	7.7%	11	84.6%	1	7.7%
Kidney Disorder	1	7.7%	12	92.3%	0	0.0%
Metabolic Disorder	2	15.4%	11	84.6%	0	0.0%
Chronic Respiratory Disorder	7	53.8%	5	38.5%	1	7.7%
Immunosuppressed	4	30.8%	9	69.2%	0	0.0%
Neurological Disorder	2	15.4%	11	84.6%	0	0.0%
Seizure Disorder	0	0.0%	13	100.0%	0	0.0%
Bacterial Co-infection	2	15.4%	10	76.9%	1	7.7%
Obese**	3	27.3%	5	45.5%	3	27.3%
Morbidly Obese**	0	0.0%	8	72.7%	3	27.3%
Risk Factor***	11	84.6%	2	15.4%	0	0.0%
Vaccinated	7	53.8%	3	23.1%	3	23.1%

\*\*Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

\*\*\*Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

**Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012**

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	1	100.0%	11	84.6%
Probable**	0	0.0%	2	15.4%
Total	1	100.0%	13	100.0%

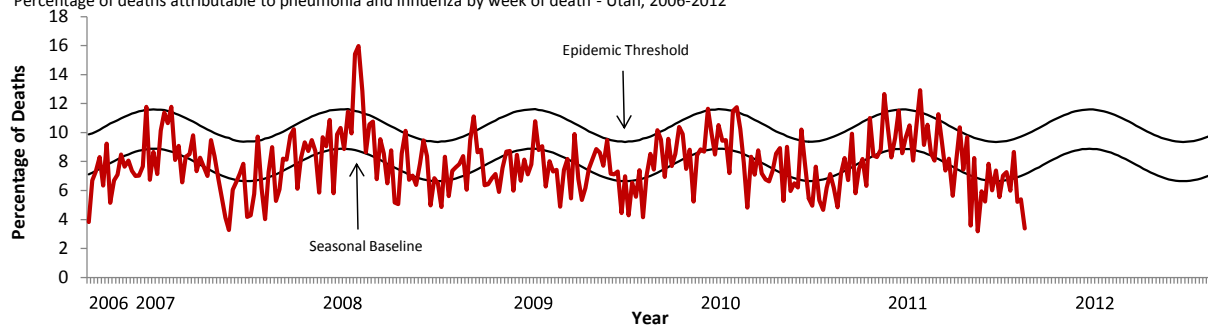
\*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

\*\*Probable= hospitalized with a positive rapid test

### Pneumonia and Influenza Deaths

#### Pneumonia and Influenza Deaths

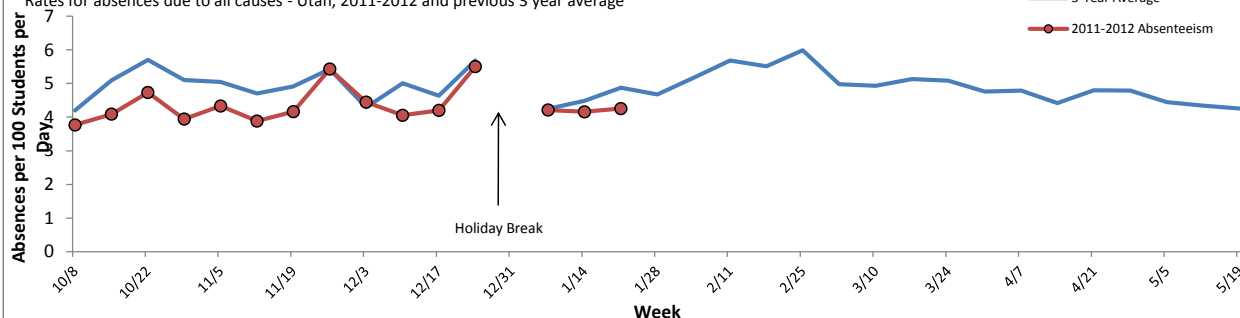
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



### School Absenteeism

#### Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



**Weekly Student Absenteeism - Utah, 2011-2012**

Health District	All absences per 100 students/day
Bear River	3.5
Central	6.2
Davis	4.7
Salt Lake	3.8
Southeast	4.8
Southwest	4.3
Summit	2.6
Tooele	4.8
TriCounty	4.0
Utah	3.5
Wasatch	3.6
Weber-Morgan	5.0
<b>State</b>	<b>4.2</b>

### Virologic Data

#### Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	196	--	13	--
Positive specimens	23	11.7%	4	30.8%
<b>Positive Specimens by Type/Subtype</b>				
Influenza A	18	78.3%	2	50.0%
A (2009 H1N1)	4	22.2%	2	100.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	14	77.8%	0	0.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	5	21.7%	2	50.0%

#### Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

